

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566995

Luminaire Tested: **4SNX-90HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-90HL-UNV-L935-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

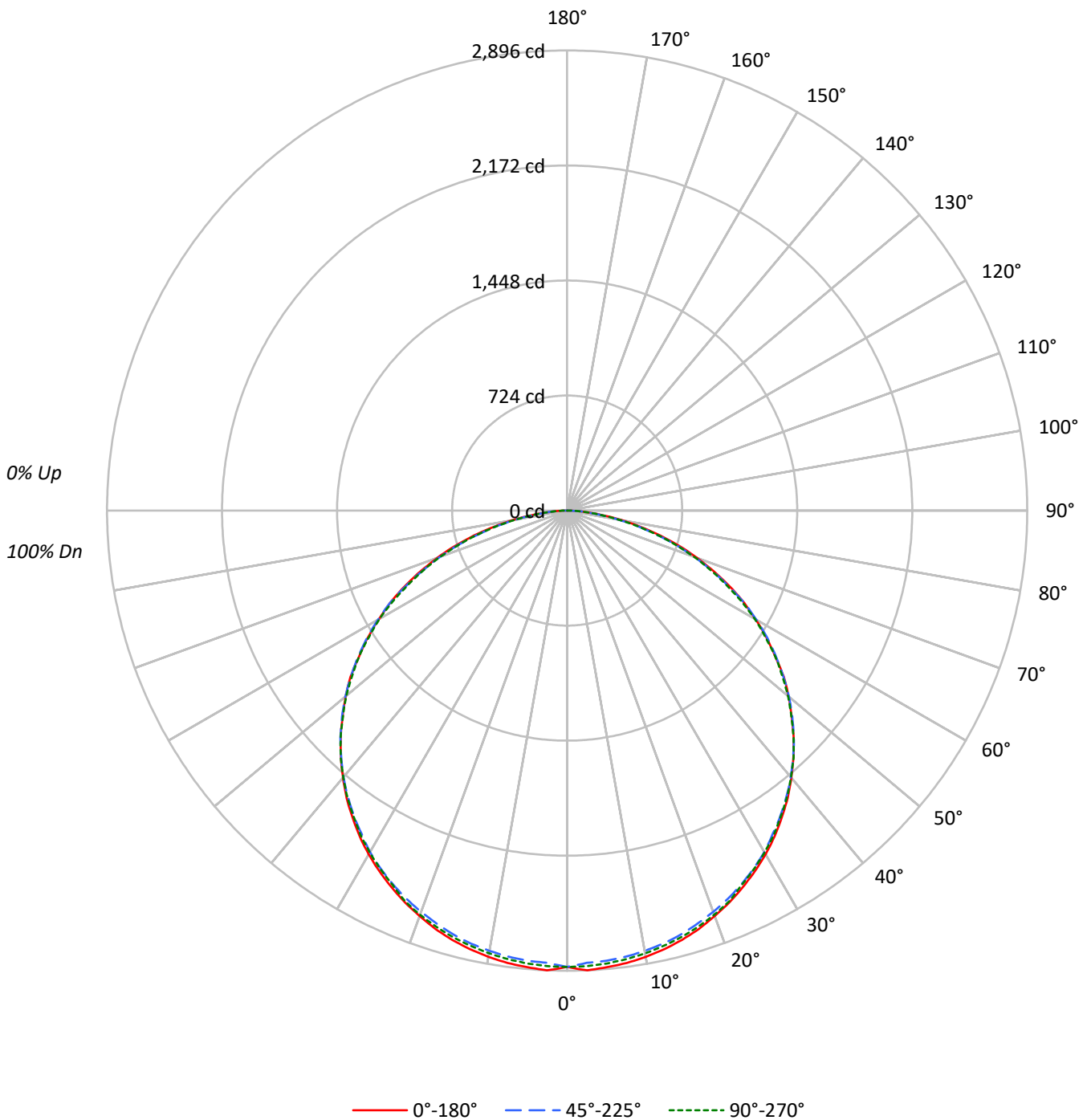
Lumens per Lamp: N/A
Luminaire Lumens: 8597.0 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30914	30914	30914
5°	31163	30730	30913
10°	31178	30753	30925
15°	31164	30785	30961
20°	31102	30781	31004
25°	31063	30819	30876
30°	31043	30847	30878
35°	30966	30776	30823
40°	30843	30774	30791
45°	30675	30731	30675
50°	30467	30529	30367
55°	29992	30152	29992
60°	29487	29618	29358
65°	28758	28416	28108
70°	27387	26776	26697
75°	25273	24059	24163
80°	21621	20264	20642
85°	16055	15759	14709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	3.2
10°-20°	785.3	9.1
20°-30°	1202.2	14.0
30°-40°	1470.7	17.1
40°-50°	1555.5	18.1
50°-60°	1433.2	16.7
60°-70°	1103.1	12.8
70°-80°	619.7	7.2
80°-90°	154.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2260.1	26.3
0°-40°	3730.8	43.4
0°-60°	6719.5	78.2
0°-90°	8597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2884	2876	2844	2870	2861	274
15°	2797	2789	2763	2787	2778	789
25°	2616	2613	2595	2613	2600	1206
35°	2357	2353	2342	2353	2346	1475
45°	2015	2021	2019	2014	2015	1554
55°	1598	1613	1607	1602	1598	1431
65°	1129	1132	1116	1100	1104	1114
75°	608	598	578	570	581	640
85°	130	128	128	124	119	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2872.0	2872.0	2872.0	2872.0	2872.0
2.5°	2896.3	2880.5	2848.9	2876.8	2869.5
5°	2884.1	2875.6	2844.0	2869.5	2861.0
7.5°	2872.0	2862.2	2831.9	2859.8	2847.7
10°	2852.5	2844.0	2813.6	2840.4	2829.4
12.5°	2827.0	2819.7	2791.7	2817.3	2806.3
15°	2796.6	2789.3	2762.6	2786.9	2778.4
17.5°	2760.1	2751.6	2726.1	2751.6	2745.6
20°	2715.2	2710.3	2687.2	2710.3	2706.7
22.5°	2669.0	2662.9	2644.7	2661.7	2662.9
25°	2615.5	2613.1	2594.9	2613.1	2599.7
27.5°	2559.6	2559.6	2541.4	2553.5	2545.0
30°	2497.6	2496.4	2481.8	2487.9	2484.3
32.5°	2430.8	2429.6	2410.1	2425.9	2419.8
35°	2356.6	2353.0	2342.1	2353.0	2345.7
37.5°	2280.1	2276.4	2267.9	2274.0	2272.8
40°	2195.0	2195.0	2190.1	2195.0	2191.3
42.5°	2107.5	2111.1	2105.1	2109.9	2109.9
45°	2015.1	2021.2	2018.8	2013.9	2015.1
47.5°	1916.7	1927.6	1921.5	1920.3	1914.2
50°	1819.4	1829.2	1823.1	1817.0	1813.4
52.5°	1718.6	1723.4	1716.1	1713.7	1705.2
55°	1598.2	1612.8	1606.7	1601.9	1598.2
57.5°	1487.6	1498.6	1493.7	1484.0	1477.9
60°	1369.7	1378.3	1375.8	1364.9	1363.7
62.5°	1254.3	1256.7	1254.3	1234.8	1236.1
65°	1129.1	1131.5	1115.7	1099.9	1103.6
67.5°	997.8	1005.1	983.2	960.2	976.0
70°	870.2	867.8	850.8	825.2	848.3
72.5°	739.0	736.5	717.1	698.8	714.6
75°	607.7	598.0	578.5	570.0	581.0
77.5°	471.6	460.6	452.1	446.0	450.9
80°	348.8	334.2	326.9	322.1	333.0
82.5°	232.1	221.2	217.6	221.2	218.8
85°	130.0	127.6	127.6	124.0	119.1
87.5°	53.5	55.9	57.1	55.9	53.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)